

SYSTEM FOR PROVIDING A CALIBRATED CLOCK AND METHODS THEREOF**ABSTRACT OF THE DISCLOSURE**

A system and methods are provided for calibrating timing in a remote device to timing in a source device. The source device dictates timing signals to be generated in the remote device. A calibration routine is processed to calibrate timing in the remote device to timing in the source device. The source device provides a reference signal that dictates a period of time to the remote device. The remote device tracks a number of local clock cycles generated for the duration of the dictated period of time. The remote device then establishes a time base for translating a number of clock cycles dictated by the source device to a number of clock cycles generated within the remote device.